

Abstract

The invention relates to a fluorescence biosensor chip and to a fluorescence biosensor chip arrangement. Said fluorescence biosensor chip comprises a substrate, at least one detection device which is arranged in or on the substrate and is used to detect electromagnetic radiation, an optical filter layer which is arranged on the substrate, and an immobilization layer which is arranged on the optical filter layer and is used to immobilize trap molecules. Said detection device, optical filter layer and immobilization layer are integrated into the fluorescence biosensor chip. The inventive fluorescence biosensor chip arrangement comprises a fluorescence biosensor chip and an electromagnetic source of radiation.